S/011/60/000/003/001/001 A054/A133

The first All-Union congress on volcanology

A. Gabriyelyan, E. Sh. Shikhalibeyli (Low Caucasus); Ye. N. Goretskaya, (Tyan'-Shan'); N. I. Skhirtladze (Gruzia); T. N. Ivanova, (Tuva); V. A. Vakar, A. P. Lebedev, M. I. Rabkin, V. A. Milashev, Yu. M. Sheyman, (Siberian Platform); M. S. Nagibina (Mongolian-Okhot belt); M. I. Idikson, L. I. Krasnyy (Far-East); Yu. V. Zhegalov (Komandor island); M. V. Gzovskiy and A. Ye. Svyatlovskiy read reports on magmatism, volcanism and tectonics in general. The following participants contributed to the classification, nomenclature and terminology of volcanism: V. I. Vlodavets, V. P. Petrov, Ye. F. Maleyev, V. S. Koptev-Dvornikov, L. I. Blokhina, M. G. Lomize, M. A. Petrova, E. I. Tikhomirova, T. I. Frolova, Ye. B. Yakovleva, Ye. V. Vysovskaya, G. M. Gapeyeva, Ye. N. Goretskaya, M. L. Lur'ye, V. M. Sergiyevskiy, M. V. Tashchinina, G. M. Fremd, I. M. Speranskaya, L. G. Kvasha). A resolution was passed enumerating the most important problems in the field of volcanism: 1) Intensifying the study of volcanism, especially in relation with mineralization; 2) Surveying of volcanic formations in the Soviet Union and the reguliarities governing the distribution of useful minerals in connection with volcanic phenomena, 3) Studying the relations between volcanic and plutonic formations as well as those between volcanism and tectonics; 4) Development of petrography and geophysics, based on the study of the magma; 5) Surveying ore deposits of volcardo origin in geosynclines and platforms; 6) Establishing the structure of the earth's

Card 5/6

The first All-Union congress on volcanology

S/011/60/000/003/001/001 A054/A133

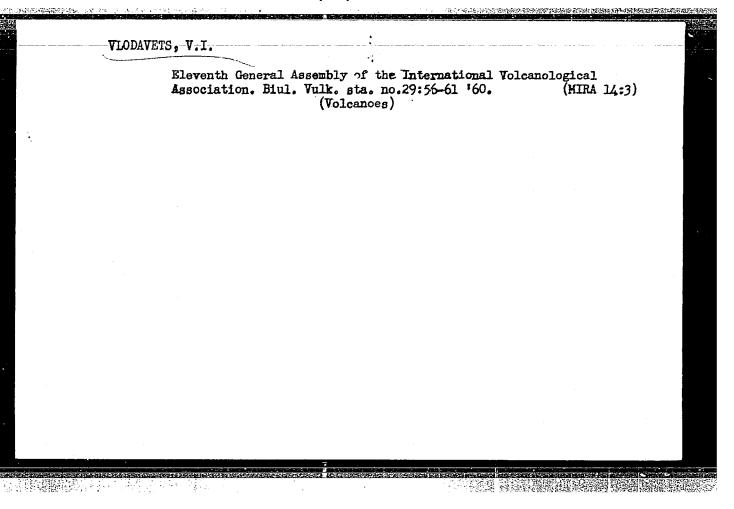
crust in the areas of contemporary volcanism; 7) Extending the geochemical and geothermal investigations in areas of contemporary volcanism; 8) Improving the forecast of volcanic eruptions; 9) Improving the method of simulating the properties of substances and processes under increased temperature and pressure; 10) Intensifying the studies of volcanism in the solar system. In order to meet with the above requirements, surveying methods and geological organizations have to be improved. The second All-Union Congress on Volcanism will be convened in Petropavlovsk (Kamchatka). In connection with the Congress, the Academy of Sciences Armyanskiy SSR published a book on "Problems on Volcanism" (500 pages) and a guide of the excursion organized during the Congress.

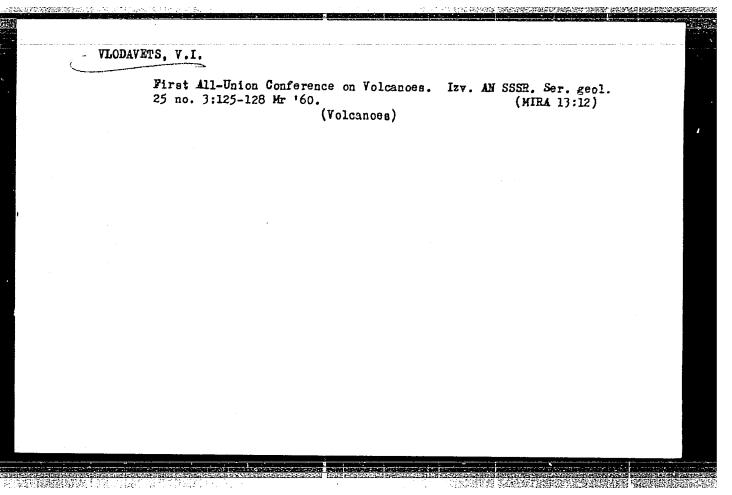
Card 6/6

VLODAVETS, V.I.

Sur les carses provoquant de diverses evolutions de la composition des laves des volcans  $^{M}$ aly Semiatchik et Karvmsky.

papers presented at the 12th General Assembly of the TUCG, Helsinki, July 1960.





VLODAVETS, V.I., red.; DERGUNOV, I.D., red. [deceased]; IVANOV, V.V., red.; MAKARENKO, F.A., red.; KHITAROV, N.I., red.; BARABANOV, L.N., red.; SHEYNMAN, V.S., red. izd-va; YEGOROVA, N.F., tekhn. red.

[Problems in geothermy and the practical utilization of the earth's heat; transactions] Problemy geotermii i prakticheskogo ispol'zovaniia tepla Zemli; truúy. Moskva, Izd-vo Akad. nauk SSSR. Vol.2. 1961. 304 p. (MIRA 14:8)

1. Vse soyuznoye soveshchaniye po geotermicheskim issledovaniyam.
(Heating) (Water, Underground)

VLODAV	ETS, V.I.		
•	Preface.	Trudy Lab. vulk. no.20:3-4 '61. (Volcanic ash, *uff, etc.)	(MIRA 14:11)
	•		
	•		
	•		•
		·	

### VLODAVETS, V.I.

Twelfth General Assembly of the International Association of Volcanology. Izv. AN SSSR. Ser. geol. 26 no. 4:113-116 Ap '61.

(Volcanoes—Congresses)

"Les tufolaves et	les ignimbrites sur le territoire de l	, ccnu.
Presented at the Catania, Sept. 20	Symposium on Ignimbrites and Hyaloclast -23, 1961	itas, Jupan,
	·	

## The problem of tuff lavas and ignimbrites. Trudy Lab. vulk. no.20:11-23 '61. (MIPA 14:11)

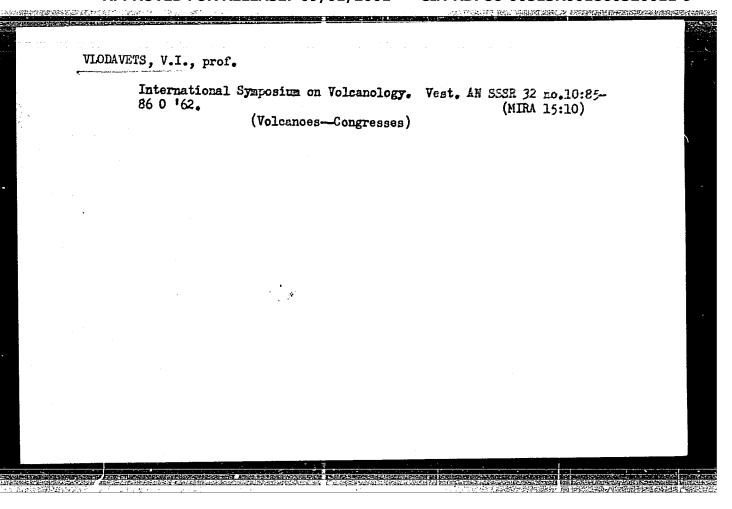
 Laboratoriya vulkanologli AN ESSR. (Volcanic ush, tuff, etc.)

VLODAVETS, V.I.; RUDICH, K.N.

Symposium on welded tuffs in the Soviet Union. Sov.geol.
(4 no.12:138-142 D '61. (MIRA 15:2)

1. Geologicheskiy institut AN SSSR.
(Volcanic ash, tuff, etc.)

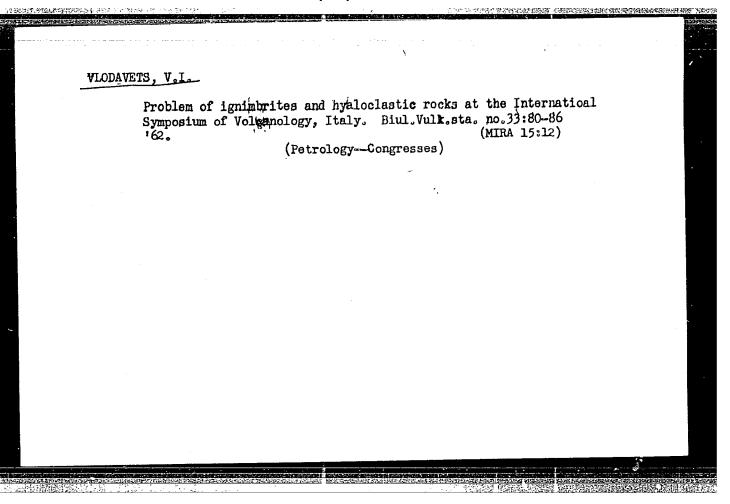
•	VIODAVETS, V.I.	
	International symposium on ignimical and hyaloclastic rocks.  Izv.AN SSSR. Ser.geol.27 no.2:126-128 F 162. (MIRA 15:1)  (Ignimbrite—Congresses)  (Glass)	
	·	



VLODAVETS, Vladimir Ivanovich; RUDICH, K.N., otv. red.; MARENINA, T.Yu., red. 12d-va; RYLINA, Yu.V., tekhn. red.

[Volcanism of Kamchatka and some other areas of the U.S.S.R.] Vulkanizm Kamchatki i nekotorykh drugikh raionov SSSR. Moskva, AN SSSR, 1963. 250 p. (MIRL 16:9)

1. AN SSSR. Laboratoriya vulkanologii.
(Rocks, Igneous)



### VLODAVETS, V.I.

Twelfth General Assembly of the International Association of Volcanology. Biul. Vulk. sta. no.33:71-79 '62. (MIRA 15:12) (Volcanoes)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320011-9"

VLODAVETS, V.I.; GORSHKOV, G.S.; NABOKO, S.I.; PIYP, B.I.

Development of volcanologic studies in the U.S.S.R. Geol. i geofiz. no.11:24-27 162. (MIRA 16:3)

l. Laboratoriya vulkanologii, Moskva. (Volcanoes)

VLODAVETS, V.I., red.; GORSHKOV, G.S., red.; LEBEDEV, A.P., red.;

MALKHASYAN, E.G., red.; MKRTCHYAN, S.S., akad., red.; NAEOKO,
S.I., red.; USTIYEV, Ye.K., red.; SHIRINYAN, K.G., red.;

MARENINA, T.Yu., red. izd-va; NOVICHKOVA, N.D., tekhn. red.;

ZUDINA, V.I., tekhn. red.

[Problems of volcanism] Voprosy vulkanizma; trudy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 450 p. (MIRA 15:5)

1. Vsesoyuznoye vulkanologicheskoye soveshchaniye. 1st, Erevan, 1959. 2. Laboratoriya vulkanologii Akademii nauk SSSR (for Vlodavets, Gorshkov, Naboko). 3. Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii Akademii nauk SSSR (for Lebedev, Ustiyev). 4. Institut geologicheskikh nauk Akademii nauk Armyanskoy SSR (for Malkhasyan, Shirinyan). 5. Akademiya nauk Armyanskoy SSR (for Mkrtchyan). (Volcanoes)

VLODAVETS, V.I., otv. red.; MARENINA, T.Yu., red.izd-va

[Petrochemical characteristics of young volcanism] Petrokhimicheskie osobennosti molodogo vulkanizma; materialy simpoziuma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 264 p. (MIRA 16:6)

1. Simpozium, posvyashchennyy pamyati akademika A.N. Zavaritskogo, 1962. 2. Sibirskoye otdeleniye Akademii nauk SSSR, Laboratoriya vulkanologii (for Vladovets).

(Rocks, Igneous-Analysis)

### VLODAVETS, V.I.

Neogene and Custernary volcanic provints in France. Izv. AN SSSR Ser. geol. 30 nc.18134-135 Ja 165 (MIRA 18:2)

1. Institut vulkanologii Sibirakogo otdeleniya AN SSSR, Petropavlovak-Kamehatskiy.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320011-9"

### VLODAVETS, V.I.

On the term "ignimbrite." Izv. AN SSSR, Ser.geol. 29 nc 6:41-49
Je 164. (MTRA 18:2)

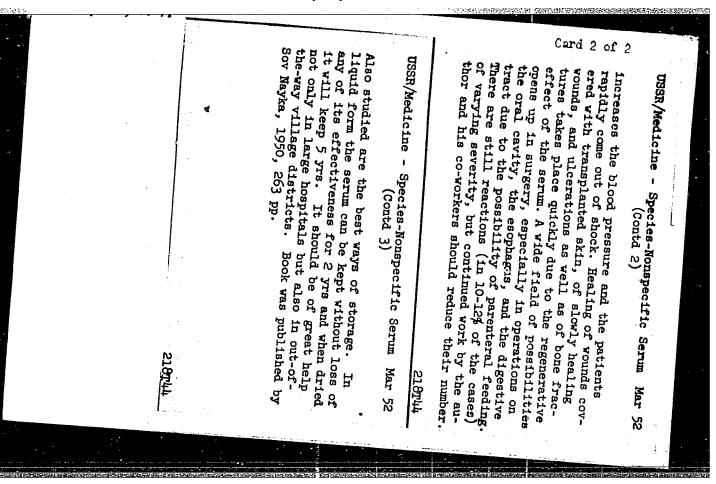
1. Institut vulkanologii Sibirskogo otdeleniya AN SSSR, Petropavlovsk-na-Kamchatke.

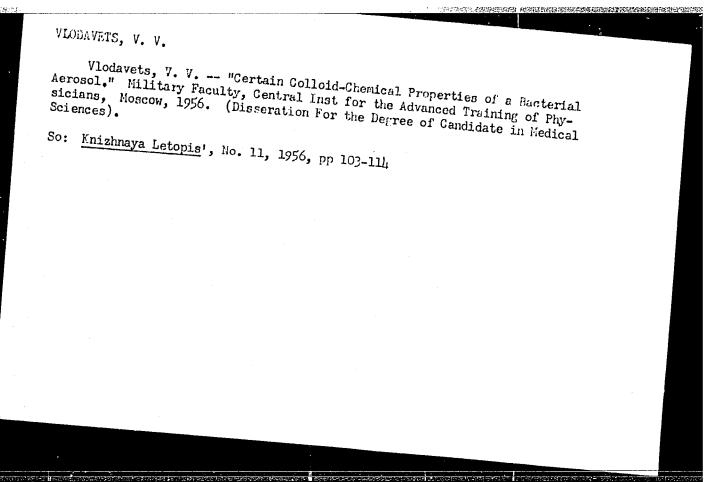
VLOPAVETS, V.V.; MIRTAYEV, P.M.

Reviews. Mikrobiologiia 31 no.1:184-188 Ja-F '65.

(MIRA 18:7)

vlodavets, v. v.	serum is one of stimulating hemopolesis by mer of "hemosctin." This hemopoletic effect is greet if the cattle serum is taken 24 hrs subsequently to extraction of 50% of the animal's limis serum excels over any artificial blood stitutes in the speed with which normal blood pressure is restored after serious losses of it also gives good results when administered animals in a state of shock. The results of 2 injections given, some of them repeated injections that the new serum is very promising. shock (traumatic or from burns) the serum qui	Species-nonspecific called below to carried and to Belen'kly's method is devoid of toxogenic and anaphylogenic properties and can therefore be safely transfused to human patients. The protein of this serum has been found to be completely assimilable upon intravenous administration and is therefore suitable for parenteral feeding. The effect of the suitable for parenteral feeding. The effect of the USSR/Medicine - Species-Nonspecific Serum Mar 52 (Contd 1)	Len'kiy' blogical rets, Mo	USSR/Medicine - Species-Nonspecific Serum
	ng hemopolesis by means poletic effect is great- s taken 24 hrs subse- 50% of the animal's blood y artificial blood sub- h which normal blood of serious losses of bloods when administered to ock. The results of 2,000 them repeated injections, is very promising. In burns) the serum quickly	sthod is devoid of toxogenic and parties and can therefore be safely man patients. The protein of this bund to be completely assimilable administration and is therefore administration. The effect of the enteral feeding. The effect of the 219744  Species-Nonspecific Serum Mar 52 (Contd 1)	Book 'Species-Nonspe- Properties and Utiliza- scow	c Serum Mar 52





# VLODAVETS, V.V. Decontamination of sir in booths by ultraviolet rays. Lab.delo 2 no.6:19-20 N-D '56. (MIRA 9:12) 1. Is laboratorii sanitarnoy bakteriologii (zav. - prof. L.I.Mats) Instituta obshobey i kommunal'noy giglyeny Akademii meditsinekikh (ULTRAVIOLET RAYS) (AIR—PURIFICATION) (MICRO-CRGANISMS)

### VLODAVETS, V.V.

以**其其其**相是自己。或是自己的。4

Antagonists of the Mucorales. Antibiotiki 1 no.3:49-50 My-Je '56.

(MLRA 9:10)

1. Laboratoriya sanitarnoy bakteriologii (zav. prof. L.I.Mats)

Instituta obshchey i kommunal noy gigiyeny AMN SSSR.

(MUCOR,

antag. (Rus))

VLODAVETS, V.V.

Using rosolic agar in mycological research. Bot. shur. 41 no. 4: 537-539 Ap 56. (MIRA 9:9)

1. Institut obshchev i kommunal noi gigiyeny Akademii meditsinskikh nauk SSSR, Moskva.

(Agar) (Rosolic acid) (Fungi)

VLODAVETS, V.V., kandidat meditsinskikh nauk.

Mold fungi in the air of Moscow. Priroda 45 no.12:95-97 D '56.
(MLRA 10:2)

1. Institut obshchey i kommunal'noy gigiyeny Akademii nauk SSSR.
(Moscow-Air-Bacteriology) (Molds (Botany))

YLODAVETS, V. V.

"Methods of Investigating the Microflora of Atmospheric Air," by V. V. Vlodavets, Laboratory of Sanitary Bacteriology, Institute of General and Communal Hygiene, Academy of Medical Sciences USSR, Laboratornoye Delo, Vo 3, No 1, Jan/Feb 57, pp 41-43

The author discusses several problems with which bacteriologists are faced in connection with air analyses. He mentions that no single apparatus can detect all the microflora present in atmospheric air or the air of closed rooms, and that different quantities of microflora are collected with different apparatuses. Success in air sampling, it is pointed out, depends on the construction of the apparatus used, the dispersion of bacterial aeroplankton, and other factors. The Rechmenskiy bacterial separator and the Krotov apparatus are recommended as the best equipment for this purpose.

The article gives advantages and disadvantages of various culturing methods in consideration of the fact that the same conditions are not favorable to the growth of all bacteria. It notes that data on the number of viable microorganisms in a given volume of air is always relative, and that strict adherence to standard technique is requisite to obtaining comparable results. It states that specific types of apperatus, standard conditions for collecting samples, specific media, and uniform culturing methods should be used. Observations showed that the greatest number of atmospheric microorganisms is detected when a material ples are cultured on meat-pertone or sugar agar at 20-220 for 1-5 days.

54M.1374

The author sugge ts that media should be selected according to the subject under study and gives examples (Happo medium for streptococcus, tellurium medium for diphtheria bacillus, and Bordet-Gengu medium for whooping cough bacillus).

Optimum conditions for studying the bacterial colonies collected are discussed. The author recommends collection of 50-100 liters of air for sampling with the Krotov apparatus when the bacterial content of the air is low, 25-40 liters when the bacterial content is average, and 10-20 liters when the bacterial content is high.

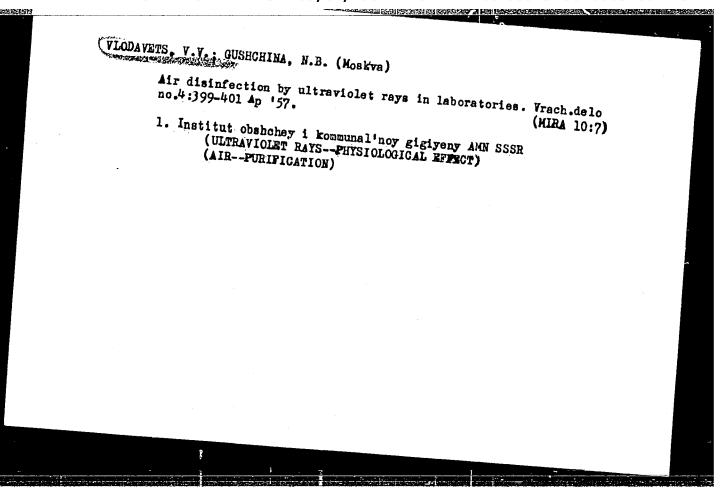
When samples are seeded on a liquid medium (with the Rechmenskiy or D'yakanov apparatus and the liquid is subsequently seeded on a solid medium, the number of colonies most suitable for study is 25-per dish. The following volumes of air are proposed for collection with the Rechmenskiy bacterial sampler: 100-150 liters in areas of low bacterial concentration and 50 liters for high concentration.

S4M. 1374

The article includes a brief discussion of synthetic bacterial aerosols in special rooms and chambers for investigating the probactericidal agents on them. It points out that certain difficulties are encountered when the number of colonies in the experimental sample exceeds 4,000.

The author concludes that, while it is still too soon to consider developing standards for purity of atmospheric air (which would require standards are foreseeable in the near future for special rooms, such operating rooms, blood transfusion stations, and rooms for transferring (U)

SUM-1374



### CIA-RDP86-00513R001860320011-9 "APPROVED FOR RELEASE: 09/01/2001

KLEDAKE IS V.V.

AUTHOR:

Vlodavets, V.V., Candidate of Medical Sciences

26-12-35/49

TITLE:

An Effective Method of Studying the Microflora of the Air (Effektivnyy metod izucheniya mikroflory vozdukha)

PERIODICAL: Priroda, 1957, # 12, p 113 (USSR)

ABSTRACT:

The author describes the technology of water soluble filters as developed by American scientists, and in the USSR by the Ukrainian scholar A.Ye. Vershigora. These filters are intended for the study of the air's microflora, and are used for obtaining micro-organisms by drawing air through them. Thereupon the filter is solved in water and investigations are conducted in the liquid. The filtration method has proved to be the most effective as it can be used for bacteriological and mycological studies of the air also at low temperatures.

ASSOCIATION: Institute of General and Public Hygiene of the Academy of Medical Sciences of the USSR, Moskva (Institut obshchey i kommunal'noy gigheny Akademii meditsinskikh nauk SSSR, Moskva)

AVAILABLE:

Library of Congress

Card 1/1

## Comparative rating of methods for the bacteriological analysis of indoor air [with summary in English]. Gig. i san. 22 no.1:51-54 Ja '57. (MIRA 10:2) 1. Iz Instituta obshchey i kommunal'noy gigiyeny AMN SSSR (AIR POLLUTION bacteriol. analysis of air in closed premises, comparison of methods (Rus)) (BACTERIA Same)

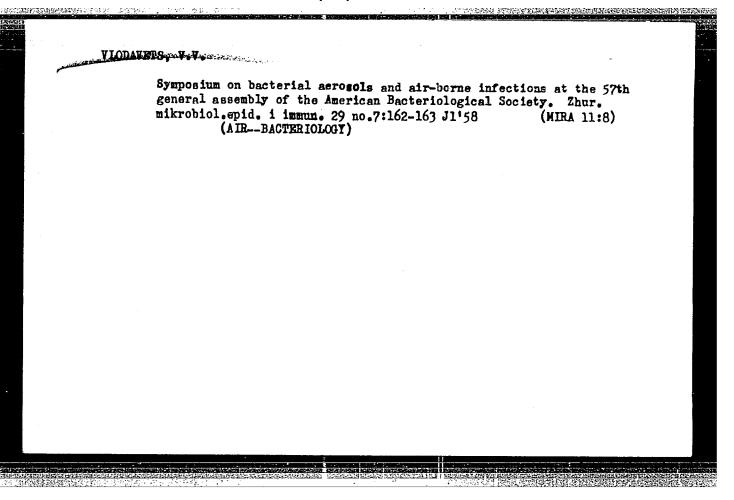
VLODAVETS, V.V.; GUSHCHINA, N.B.

Air disinfection in laboratories by ultraviolet rays. Zhur. mikrobiol. epid. i immun 28 no.2:140-141 F '57 (MLRA 10:4)

1. Iz Instituta obshchey i kommunal'noy gigiyeny AMN SSSR. (ULTRAVIOLET RAYS--PHYSIOLOGICAL EFFECT) (AIR--PURIFICATION)

VLODAVETS, V.V., ZUYKOVA, Ye.Yu., MOTOVA, M.A.

Comparative evaluation of various methods of bacteriological analysis of the air at low temperatures [with summary in English] Mikrobiologiia 27 no.5:646-651 S-0 '58 (MIRA 11:12)



#### VLODAVETS V.V.

TARREST CONTRACTOR

Problem of the mechanism of dissemination of air-borne infections. Zhur mikrobiol. epid. i immun. 29 no.9:73-78 S 158 (MIRA 11:10)

1. Iz Instituta obshchey i kommunal'noy gigiyeny imeni Sysina AMN SSSR. (AIR, microbiology,

 $\mathcal{X}^{\mathcal{C}}_{k}$ 

transm. of air-borne infect. (Rus)) (COMMUNICABLE DISEASES, transm air-borne (Rus))

**APPROVED FOR RELEASE: 09/01/2001** CIA-RDP86-00513R001860320011-9"

VIONAVERS, V.V.

Interric charges of particles and droplets of a bacterial aerosol.

Biofizika, 4 no.3:360-364 '59. (MIRA 12:7)

1. TSentral'nyy institut usovershenstvovaniya vrachey, Moskva.

(ABROSOIS.

electric charge of particles & drops of bact aerosols (Rus))

(BACTERIA.

same)

VLODAVETS, V. V., ANDREYEVA, O. V., FISHER, H. H., ELYUGHAREV, G. G., BAYER, G. A., POPOJA, T. I., KERASHEVA, S. I., IGNATOVICH, Z. A., RAZUMOV, A. S., KUCHETKO, H. G., PERTECVSKAYA, H. I., TALAYEVA, YU. G.

"Modern problems of sanitary bactericlogy in the solution of problems of communal hygiene."

report submitted at the 13th All-Union Congress of Hygienists, Epide iologists and Infectionists, 1959.

GAYDAMOVICH, S.Ya.; VLODAVETS, V.V.; OBUKHOVA, V.R.

A method for recovery of the influenza virus in the aerosol drop phase. Report No.1: Effectiveness of recovery of the influenza virus with D'iakonnov's apparatus and soluble filters from gelatin foam.

Vop.virus. 4:396-401 Jl-Ag '59. (MIRA 12:12)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR i Institut obshchey i kommunal'noy gigiyeny imeni A.N. Sysina AMN SSSR, Moskva. (INFLUENZA VIRUSES, culture)

### VLODAVETS, V.V.

Rapid method for the determination of bacterial sensitivity to antibiotics. Antibiotiki 4 no.5:76-79 S-0 '59. (MIRA 13:2)

1. Iaboratoriya sanitarnoy bakteriologii (zav. - prof. L.I. Mats) Instituta obshchey i kommunal'noy gigiyeny imeni A.N. Sysina AMN SSSR.

(ANTIBIOTICS pharmacol.)

VLODAVETS, V.V.; MATS, L.I.

Characteristics of air microflora in Moscow and the effect of metereological factors on it. Mikrobiologiia 28 no.4:574-580 Jl-Ag '59.

(MIRA 12:12)

1. Institut obshchey i kommunal'noy gigiyeny im. A.N. Sysina ANN SSSR.

(WEATHER off.)

(AIR microbiol.)

#### VLODAVETS, V.V.

Changes in the specific composition of the air microflora following disinfection by ultraviolet rays. Mikrobiologiia 28 no.5:772-776 (MIRA 13:2)

1. Institut obshchey i kommunal'noy gigiyeny im. A.N. Sysina AMN SSSR.

(AIR microbiol.)

(DISINFECTION)

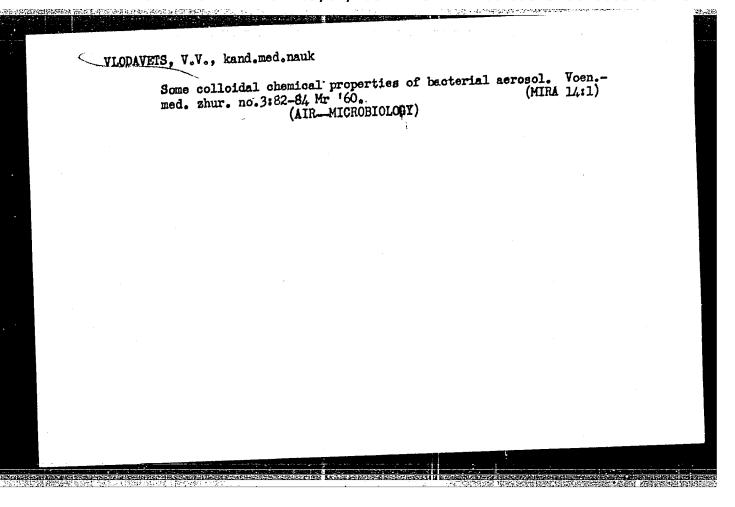
(ULTRAVIOLET RAYS)

#### VLODAVETS, V.V.

Modern methods for a bacteriological analysis of the air. Zhur. mikrobiol., epid.i immun. 30 no.12:48-54 D 59. (MIRA 13:5)

1. Iz Instituta obshchey i kommunal noy gigiyeny imeni Sysina AMN SSSR.

(AIR microbiol.)



VLODAVETS, V.V.; GAYDAMOVICH, S.Ya.; OBUKHOVA, V.R.

Technique for the detection of influenza virus in the drop phase of aerosols. Report No. 2: Effectiveness of detecting the influenza virus with Rechmenskii's bacterial recovery apparatus, Vershigora's barbotage apparatus, and Shafir's aerocentrifuge. Vop. virus. 5 no. 6:670-675 N-D '60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR i Institut obshchey i kommunal noy gigiyeny imeni A.N. Sysina AMN SSSR, Moskva. (INFLUENZA) (AEROSOLS)

### VLODAVETS, V.V.

Experimental model of the dust phase of a bacterial serosol. Zhur. mikrobiol. epid. i immun. 31 no. 10:56-62 0 '60. (MIRA 13:12)

1. Iz TSentral nogo instituta usovershenstvovaniya vrachey. (STAPHYLOCOCCUS) (AERCSOLS)

VLODVETS, V.V., GAYDANOVICH, S.L.

"Comparison of methods used for detection of influenza virus in aerosol state."

Report submitted for the 1st Intl. Congress on Respiratory Tract Diseases of Virus and rickettsial Orgin. Prague, Czech. 23-27 May 1961.

DANTSIG, N.M.; VLODAVETS, V.V.; KRICHAGINA, N.B.

Ultraviolet rays in the prevention of air droplet infections.

Vost.AMN SSSR 16 no.7:13-20 '61. (MIRA 14:7)

1. Institut obshchey i kommunal'noy gigiyeny imeni A.N.Sysina AMN SSSR. (COMMUNICABLE DISEASES-PREVI

(ULTRAVIOLET RAYS) (COMMUNICABLE DISEASES-PREVENTION)
(AIR-PURIFICATION)

VIODAVETS, V.V., kand.med.nauk; ZUYKOVA, Ye.Yu., mladshiy nauchnyy sotrudnik; KICHENKO, M:G., kand.med.nauk; MATS, L.I., prof.; NATANSON, G.L., prof. [deceased]; PERTSOVSKAYA, M:I., kand.biologicheskikh nauk; PETRYANOV, I.V.; RAZUMOV, A.S., prof. [deceased]; SADOVSKIY, B.F., kand.khimicheskikh nauk

Use of a new type of "microfil" filters for the concentration and indication of bacteria from the air, water and soil. Gig. i san. 27 no.3:51-55 Mr '62. (MIRA 15'4)

1. Iz Instituta obshchey i kommunal noy gigiyeny imeni A.N.Sysina AMN SSSR i Fiziko-khimicheskogo instituta imeni L.Ya.Karpova.

2. Chlen-korrespondent AN SSSR (for Petryanov).

(AIR—MICROBIOLOGY) (WATER—MICROBIOLOGY)
(SOILS—MICROBIOLOGY) (BACTERIOLOGY—EQUIPMENT AND SUPPLIES)

#### VLODAVETS, V.V.

Rapid and simple method of separating out a bacterial suspension. Iab. delo 8 [i.e.9] no.1:46-47 Ja '63. (MIRA 16:5)

1. Laboratoriya sanitarskoy bakteriologii (zav.-prof. L.f.Mats) Instituta obshchey i kommunal'noy gigiyeny imeni A.N. Sysina AMN SSSR.

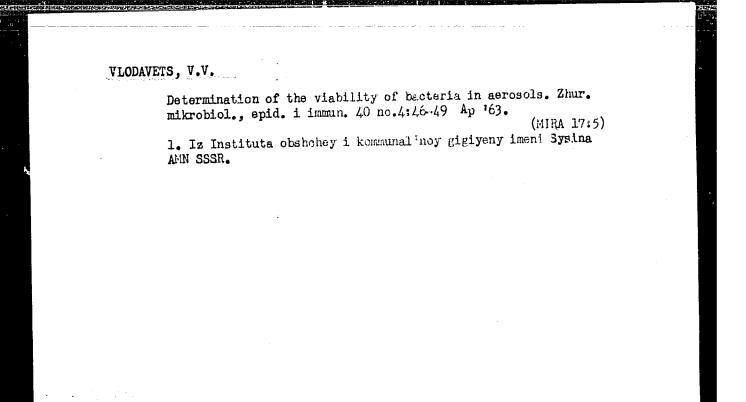
(BACTERIOLOGY-TECHNIQUE)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320011-9"

GAYDAMOVICH, S.Ya.; VLODAVETS, V.V.

Detection of minimal concentration of influenza virus in the droplet phase of an aerosol. Vop. Virus. 8 No.3:349-353 My-Je\*63. (MIRA 16:10)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR i Institut obshchey i kommunal'noy gigiyeny imeni A.N. Sysina AMN SSSR. Moskva. (INFIUENZA — VIRUSES) (AEROSOIS)



SADOVSKIY, B.F.; VLODAVETS, V.V.; ZUYKOVA, Ye.Yu.; MATS, L.I.; PETRYANOV, I.V.

Use of a new "mikrofil" type filter for the indication of bacterial aerosols. Mikrobiologiia 32 no.2:323-326 Mr-Ap '63. (MIRA 17:9)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni Karpova i Institut obshchey i kommunal'noy gigiyeny imeni Sysina AMN SSSR.

\$/0220/64/033/001/0091/0096 AP4022478 ACCESSION NR: Vlodavets, V. V. AUTHOR: Bacterial aerosol dynamics in dust and drop phases SOURCE: Mikrobiologiya, v. 33, no. 1, 1964, 91-96. TOPIC TAGS: staphylococcus albus bacterial aerosol, aerosol drop phase, aerosol dust phase, bacterial aerosol dynamics, bacterial suspension preparation, increased relative humidity effect, decreased relative humidity effect, bacterial aerosol concentration change ABSTRACT: Bacterial aerosols of staphylococcus albus (strain 284) isolated from air were formed in a 250 l static type chamber. For drop aerosol, a staphylococcus suspension containing 200 million bacteria/ml was dispersed and then more finely dispersed to form a polydisperse aerosol with basic mass of the droplets ranging from 2 to 10 microns. For dust aerosol, dust was extracted from blankets, filtered twice, and sterilized at 150-160°C for 2 hrs. Then 0.8 to 1.0 g of dust was mixed with a staphylococcus suspension (40 to 50 billion/ml) in a Petrie cup and dried at 3700 for 18 to 20 hrs. Card:1

ACCESSION NR: AP4022478

After the dried dust was scraped off the cup, 20 to 30 mg of dust were dispersed to form a dust aerosol with the basic mass of particles ranging from 3 to 40 microns. Aerosol bacterial concentration change was determined by settling of bacteria on Petrie cups after 10 min exposure. After the bacterial aerosol was formed, air test samples exposure. After the bacterial aerosol was formed, air test samples were taken 10, 20, 30 min and each hour for 8 hrs, and the number of bacteria colonies in each cup was counted. Findings show that bacterial concentrations of drop and dust aerosols gradually decrease after dispersion, but viable staphylococcus bacterial suspension long as 6 to 8 hrs later. A staphylococcus bacterial suspension prepared in 0.85% NaCl stays in air the shortest bacterial suspension prepared in 0.85% NaCl stays in air the shortest time. Bacterial suspensions prepared in 0.5% NaCl or 0.85% NaCl with horse serum occupy an intermediate position. A bacterial aerosol is kinetically less stable in the dust phase than in the drop phase. The difference is related to the colloid properties of dust particles, their size and hygroscopicity. Decreased relative humidity increases the length of time staphylococci remain in dust or drop aerosol phases, and increased relative humidity promotes the settling of bacterial aerosol droplets or dust particles and thereby reduces

Card 2/3

				13 			<u> </u>
Seemed 18 To The seeme	a to death from	NR: AP40224		•		•	
80	rosol com	ncentration.	Orig. art.	nas: 2 table	es and 2 fi	gures.	
AS	BOCIATION	: Institut	obshchey i k	ommunal noy	gigieny# im	1. A. N.	
Sy	ksina AM	V SSSR (Inst	itute of Gener	ral and Comm	unal Hygier	e AMN SSSR)	
ຮຫ	BMITTED:	09Aug62	DATE ACQ:	09Apr6l <sub>4</sub>		ENCL: 00	
នហ	CODE:	IS	NR REF SO	V: 006	C	THER: 003	
					•		
				•			
	•						
	٠.	•		•			
		• • • • •					
1					•		
. 1						•	
	⁻a√a						

Abstractible authors made 37 flights on a LI-2 airplane to study the distribution and seasonal fluctuations in the population of microflora at airitudes ranging from 500 to 5,500 m. The flights were in a radius of 30 km from Mescow, mainly to the east ero southwest ever wooded localities, in each full was to include the flights were at subjection, is actually was found to no suitable less the jurgeous even at subjection is actually due to the fact that the clouds are commonest at this airitude.

It is easy to instruct the basic of a fact of the posterial population is small out even at 5,600-8,500 g viable becterial were frequently found.

Card 1/2

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320011-9"

24691-65 ACCESSION NR: AP5004683

An increase in altitude is accompanied by both a quantitative and qualitative change in composition of the microflora, as the number of Gram-positive spore and some pigment bacteria increased.

There are marked seasons, variations in the oacterial count. It is highest in the summer, lowest in the winter. It is greatly affected by metoorological factors as well as by soil moisture and snow since most of the microcryanisms originate in soil. Orig. art. has 2 tables.

ASSOCIATION: Institut obshchey i kommunal moy gigieny im. A. N. Sysina AMN, SSSR (Institute of General and Communal Hygiene, AMN SSSR)

SUBMITTED: 08Jun63

ENCL: 00

SUB CODE: LS

NO REF SOV: 008

OTHER: 019

JPRS

Card 2/2

## VLODAVETS, V.V.

Possibility of using Bacterium prodigiosum as an experimental model of bacterial aerosol. Zhur. mikrobiol., epid. 1 immun.

(MIRA 18:5)

1. Institut obshchey i kommunal noy gigiyeny imeni Sysina AMN SSSR.

ACC NRI AP6032243

SOURCE CODE: UR/0016/66/000/009/0030/0034

AUTHOR: Vlodavets, V. V.; Dmitriyeva, R. A.

ORG: Institute of General and Community Hygiene im. Sysin, AMN SSSR, Moscow (Institut obshchey i kommunal noy gigiyeny AMN SSSR)

TITLE: Viability of respiratory viruses in the air

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1966, 30-34

TOPIC TAGS: virus, virus aerosol, influenza ti virus, tirus, adenovirus, virus viability, AEROSOL, VIRUS DISEASE, ATTHOSPHERIC HUMIDITY

ABSTRACT:

The effects of variable relative humidity on the viability of Al, Pan, and type-5 virus aerosols were studied. At low relative humidity the influenza viruses survived longest, while at high humidity the type-5 adenovirus survived longest. The chemical composition of the aerosol particles also affected viral viability. Virus-containing liquids were dispersed into 500-1 closed chambers for two minutes by an atomizer which delivered 0.16 ml/min. The average diameter of the droplets varied between 0.8-0.12 microns. Air samples were withdrawn at intervals from five min to six hr after introduction of the aerosol, and applied to suitable media which was then used to

Card 1/2

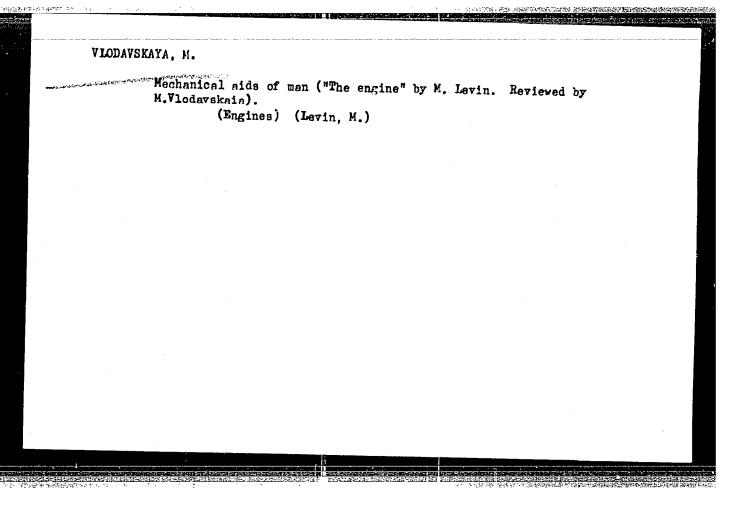
Card)

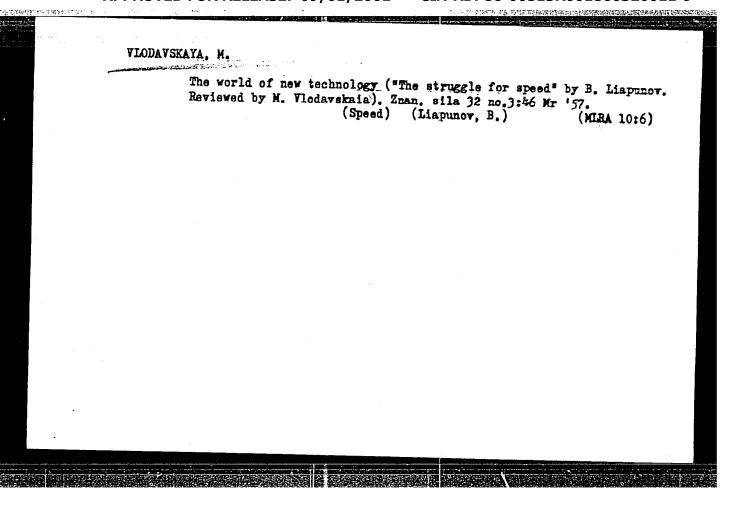
RDP86-00513R0018603200

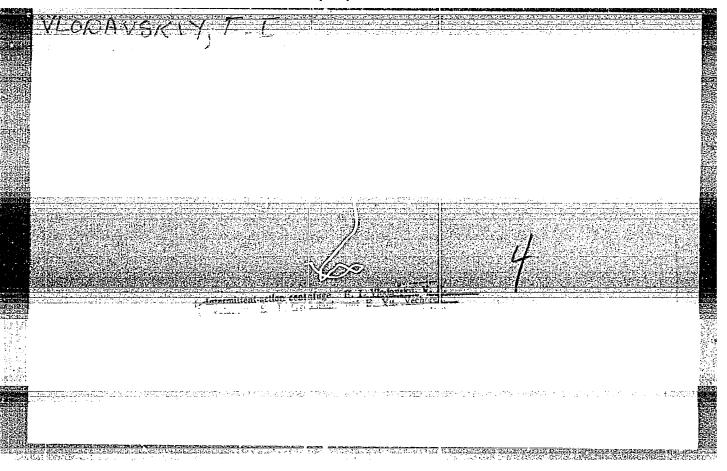
CC NRI AP6032243 SOURCE CODE: UR/0016/66/000/009/0030/0034 AUTHOR: Vlodavets, V. V.; Dmitriyeva, R. A. ORG: Institute of General and Community Hygiene im. Sysin, AMN SSSR, Moscow (Institut obshchey i kommunal noy gigiyeny AMN SSSR) TITLE: Viability of respiratory viruses in the air SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1966, 30-34 TOPIC TAGS: virus, virus aerosol, influenza at virus, type adenovirus, virus viability, AEROSOL, VIRUS DISEASE, ATTNOSPHERIC HUMIDITY ABSTRACT: The effects of variable relative humidity on the viability of Al, Pan, and type-5 virus aerosolsowere studied. At low relative humidity the influenza viruses survived longest, while at high humidity the type-5 adenovirus survived longest. The chemical composition of the aerosol particles also affected viral viability. Virus-containing liquids were dispersed into 500-2 closed chambers for two minutes by an atomizer which delivered 0.16 ml/min. The average diameter of the droplets varied between 0.8-0.12 microns. Air samples were withdrawn at intervals from five min to six hr after introduction of the aerosol, and applied to suitable media which was then used to Card 1/2 UDC: 576.858.75.095.1

inoculate tissue cultures, to observe the cytopathic effect.
In other experiments the relative humidity was adjusted from 18% to 80% in the various chambers. The most rapid inactivation of influenza viruses occurred at 60—70% humidity, while adenoviruses were most rapidly inactivated at 37-56% humidity. In most cases viability dropped sharply after one or two hr, regardless of humidity. The effect of the aerosol dispersion process was not studied. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 08Ju165/ ORIG REF: 005/ OTH REF: 010/







TITKOV, N.P.; BOGDANOVA, Z.S.; GALAKTIONOVA, K.N.; KUROVA, M.D.; LAKOTA, B.M.; OZOLIN, L.T.; Prinimali uchastiye: CHRKOVA, K.I.; ASHITKOV, Yu.R.; SMIRNOV, Ye.A.; PLATUNOV, A.A.; GALICH, V.M.; PATKOVSKAYA, N.A.; VLODAVSKIY, I.Kh.; GORLOVSKIY, S.I.

Outlook for introducing the flotation of ferrous metal ores.

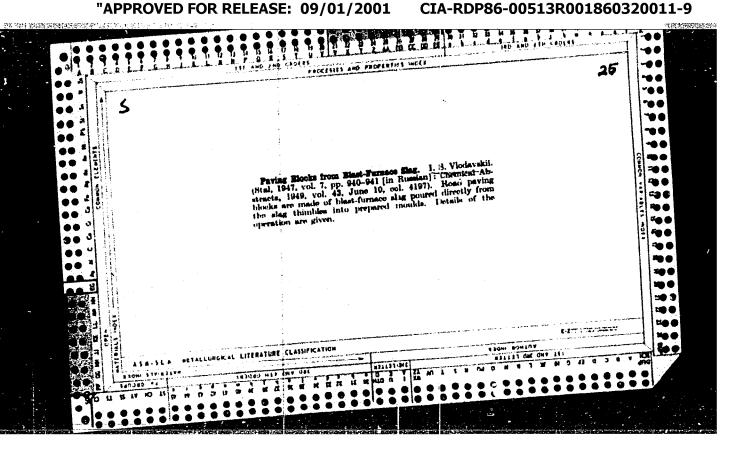
Gor. zhur. no.9:5/-62 S '62. (MIRA 15:9)

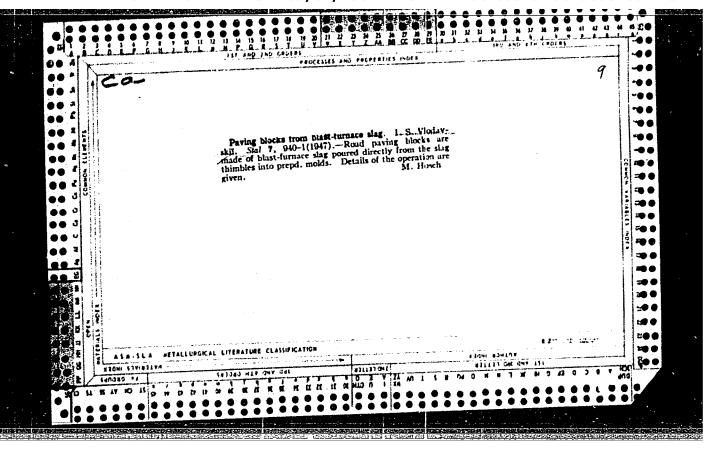
1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh, Leningrad.

(Flotation) (Iron ores) (Manganese ores)

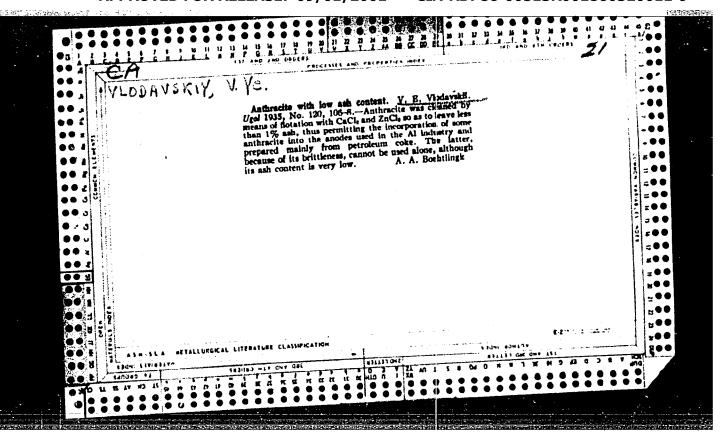
"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001860320011-9

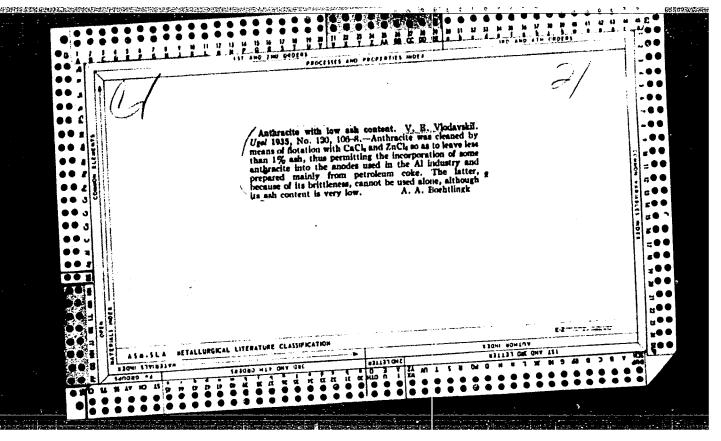
会議で開発 機能性では App App App App App App App App App Ap	on the control of the state of	TO THE ASSET THE ASSET WHEN	SELECTION OF THE SELECT	
VLODAVSKIY, 1. KH.	DECEASED		1963/1	
	c. 1961		in the second se	
METALLURGY				
	See ILC			
		e Senta Turko salah kecamatan Hada	ji Sata na kana marangan	

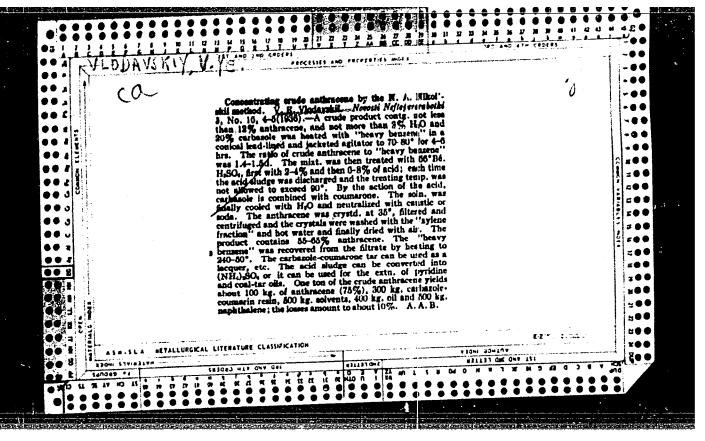




VLODAVSKIY M.I.	DECEASED	1962/
	c 1961	15 m
[일다] [18] [18] [18] [18] [18] [18]		
(1952) - 현실 (1952) - 10 전 (1952) 선생님 - 10 전 (1952) - 10 전 (1952) - 10 전 (1952)		
	SEE ILC.	
전통인을 하는 것은 이 등장에게 되었다. 그 사람 진원으로 그 등 등이 하는 말고, 그런 것		
RAILROADS		







VIODIMIROVA, Te. [Uladzimirava, E.]

It is easy for you, Hanna Trushko, but how disgraceful. Rab. i sial. 36 no.11;22-23 H '60. (MIRA 13:11)

(Minsk-Delinquent women)

SOCHIVKO, L.F.; BOGOYAVIERSKIYA, M.L.; BELYSHEV, F.P.; VLODINE, M.V.;

FFS-02 photophonost milator. Med. prom. 17 nc.9:48-50 5163.
(MIN 17:5)

1. Samostoyatel'noye konstruktorskoye tokhnologicheskoye byuro
"Biofizpribor".

VODOLATSKIY, M.P.; MALAKHOV, L.I.

Effect of surgical intervention in the maxillofacial region on the state of protein fractions and changes in the stability of the colloids of blood serum. Trudy 1-go MMI 44:156-160 '65. (MIRA 18:12)

1. Iz kafedry khirurgicheskoy stomatologii (zav.- dotsent M.M. Slutskaya) Stavropol'skogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent V.Yu. Pervushin).

NIKOLAYEV, V.; KROSHNEV, A. (Temir-Tau); VLODOV, P., inzh. (Ostrogozhsk, Voronezhskoy obl.); BOGDANOV, A. (Arkhangeliskaya obl.); ZHEMOCHKIN, G.; RENKOV, V. (Riga); KALINIK, V. (Riga); GVASALIYA, Sh.; DIDIK, A. (Lakhdenpokh'ya, Kareliskoy ASSR); SINELINIKOV, A.

Advice of specialists. Za rul. 20 no.12:20-21 D '62. (MIRA 15:12) (Mqtor vehicles)

VODYA	NIK, P.F.				
	Controlling gas procondensate field.	(MIRA 19:1)			
	1. Institut gaza,				
		 :			

DERBARCHDIKER, P.Z.; WODYANYUK, S.O.; PAVLOVSKAYA, L.V. [Lavlovs'ka, L.V.]

Usa of oleinless emulsions for the ciling of wool blends in the manufacture of blankets. Leh. prom. no.4:39-41 0-b '65.

(MIRA 19:1)

FAVOROV, A.M.; VLOH, V.G.

The medium and the controlled morphogenesis of hybrids among potato species. Studii cerc biol s. bot 16 no. 4: 329-335 164.

1. Institute of Agriculture and Zootechny of the U.S.S.R. Western regions. 2. Corresponding Member of the Academy of Sciences of the U.S.S.R.

Increasing the rate of mining copper pyrite ore bodies with slice caving. Zap.Len.gor.inst. 36 no.1:54-62 '58. (MIRA 12:4)							
(Copper mi	nes and mining)	(Mine timbering	(s)				
	10						
	• *						
	Increasing the results caving. Ze	Increasing the rate of mining copy slice caving. Zap.Len.gor.inst. (Copper mines and mining)	Increasing the rate of mining copper pyrite of a state slice caving. Zap.Len.gor.inst. 36 no.1:54-62 (Copper mines and mining) (Mine timbering	Increasing the rate of mining copper pyrite of 58.  Slice caving. Zap.Len.gor.inst. 36 no.1:54-62 '58.  (MIRA 12:4)  (Copper mines and mining) (Mine timbering)			

(MIRA 6:5)

VLOKH, M.M., nachal'nik. Remarks of a boilermaker. ("Technology of locomotive boiler construction." M.S. Ptuskin, H.F. Sosnovenko. Reviewed by M.M. Vlokh. Yest.mash. 33 no.

4:89-90 Ap 153.

1. Tekhnologicheskoye byuro kotlostroeniya Voroshilovgradskogo parovozostroitel'nogo zavoda. (Locomotive boilers) (Ptuskin, M.S.) (Sosnovenko, N.F.)

VLOKH, N.P., kand.tekhn.nauk; DEMENT'YEV, I.V.

Third Ural Scientific and Tachnical Conference of Miners. Gor. zhur. no.3:70-71 Mr 63. (MIRA 16:4)

1. Ural'skiy filial Akademii nauk SSSR (for Vlokh). 2. Sverdlovskiy gornyy institut (for Dement'yev).

MEL'NIKOV, N.V.; SLEDZYUK, P.Ye.; ZAV'YALOV, S.S.; BUNIN, A.I.;

VASIL'YEV, M.V.; NOVOZHILOV, M.G.; ZURKOV, P.E.; IL'IN, M.V.;

VILESOV, G.I.; POPOV, S.I.; SANDRIGAYLO, N.F.; SHILIN, A.N.;

ZUERILOV, L.Ye.; TSIMBALENKO, L.N.; VLOKH, N.P.; OMEL'CHENKO, A.N.

Mikhail Lazarevich Rudakov, 1912-1964; an obituary. Gor.

zhur. no.9:78 S'64.

(MIRA 17:12)

VLOKH, N.P., kand. tekhn. nauk; SLEPTSOV, M.N., inzh.

Using the shield mining system in copper mines in the Urals. Gor. zhur. no.6:26-30 Je '64. (MIRA 17:11)

1. Institut gornogo dela, g. Sverdlovsk (for Vlokh). 2. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti Sverdlovsk (for Sleptsov).

VLOKH, N.P., kand.tekhn.nauk; KOLUPAYEV, P.I., gornyy tekhnik

Potentials for increasing labor productivity in mines of the Pyshma Mining Administration. Gor. zhur. no.1:39-41 Ja '62.

(MIRA 15:7)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti, Sverdlovsk.

(Pyshma region (Sverdlovsk Province)—Mining engineering)

VIORH, N.P., gornyy inzhener; MEXIER, L.S., gornyy inzhener.

Improved construction of flexible decks. Gor. zbur. no.?:
61-62 Jl '56.

(Mining engineering)

VLORM, N.P., gornyy inzhener.

Influence of direction in second mining on the character of caved rock pressure. Gor.zhur. no.9:15-18 S '57. (Mine 1999)

1. Leningradskiy gornyy institut. (Mining engineering)

VLOKH, N.P.; MOSHINSKIY, L.G.; BRUN, B.S.; ZOLOTAREV, M.A.;

PEPELYAYEV, B.I.; TAMGIN, V.S.

Eliminating cavities at the Pokrovskiy mine. Gor. zhur.

no. 12:73-74 D '65.

(MIRA 18:12)

Zheludev, I.S. and Ylokh, O.G. AUTHORS:

SOY/70-3-5-24/24

The Electro-optical Effect in Crystals (Elektroopticheskiy

COLOR RESPECTATION DE LA COMPANSION DE LA COLOR DE LA

TITIE:

effekt v kristallakh)

PERIODICAL: Kristallografiya, 1958, Vol 3, Nr 5, pp 639-651 (USSR)

ABSTRACT:

General review, mostly of non-Russian work, of electrooptical phenomena in crystals - a theme now under

investigation in the USSR. There are 9 figures, 2 tables and 41 references, 7 Soviet,

6 German and 28 English.

ASSOCIATION:

Institut kristalbgrafii AN SSSR

(Institute of Crystallography of the Ac.Sc.USSR)

SUBMITTED:

July 11, 1958

Card 1/1

USCOMM-DC-60487

THELIDEV, I.S.; BLOKE, O.G.

Electro-optical effect in crystals. Kristallografiia 3 no.5:639-651 '58. (MIRA 11:11)

1. Institut kristallografii AN SSSR. (Crystals)

85090

24.3600 (1106,1114,1144)

S/070/60/005/003/014/024/XX E132/E460

AUTHORS:

Vlokh, O.G. and Zheludev, I.S.

TITLE:

Changes in the Optical Properties of Crystals Occurring on the Imposition of Electrical Fields

(The linear Electro-Optical Effect)

PERIODICAL: Kristallografiya, 1960, Vol.5, No.3, pp.390-402 By taking account of the changes of symmetry which arise

on the application of an electric field along one of the more important directions in a crystal, the equation for the optical This depends not only on the indicatrix has been calculated. refractive indices but also on the magnitude of the electric The orientation of the new indicatrix with respect to the field. old is derived as a function of these variables. Tables give, for each of the 20 classes which can be piezoelectric and for several special directions of the applied field in each class, the symmetry class of the crystal in the applied field, the equations of the indicatrix in the coordinate system of the initial crystal class, the canonical equations for the indicatrix in the principal system of coordinates and the angles between the axes of crystalphysical and the principal systems of coordinates.

Card 1/2

85090

S/070/60/005/003/014/024/XX E132/E460

Changes in the Optical Properties of Crystals Occurring on the Imposition of Electrical Fields (The Linear Electro-Optical Effect)

equations are all dependent on the field components,  $E_{X^c}$   $E_{y}$  and  $E_{Z^c}$ . In general the indicatrix of a piezoelectric crystal is altered by the field, uniaxial crystals become biaxial and isotropic (cubic) crystals biaxial or uniaxial. Curie's or Neumann's principle can be applied to obtain the symmetry of the effects produced. There are 4 tables and 4 references: 3 Soviet and 1 English in Russian translation.

\*

ASSOCIATION: Livovskiy gosudarstvennyy universitet im.I.Franko

(L'vov State University imeni I. Franko)

SUBMITTED: January 27, 1960

Card 2/2

### VLOKH, O.G.

Dispersion of the electrooptical coefficient r63 in ammonium dihydrophosphate and potassium dihydrophosphate crystals. Kristallografiia 7 no.4:632-633 Jl-Ag '62. (MIRA 15:11)

1. L'vovskiy gosudarstvennyy universitet imeni I.Franko.

(Ammonium metaphosphate—Optical properties)

(Potassium metaphosphate—Optical properties)

ZHELUDEV, I.S.; VLOKH, O.G.

Morphological symmetry of pentaerythrite crystals. Kristallografiia 7 no.5:784-785 S-0 '62. (MIRA 15:12)

1. Institut kristallografii AN SSSR. (Erythrite crystals)

45676

24,7500

\$/070/63/008/001/008/0245 E132/E460

AUTHORS: V

Vlokh, O.G., Zheludev, I.S., Shamburov, V.A.

TITLE:

The electro-optical effect in caystals of penta-

PERIODICAL: Kristallografiya, v.8, no.1, 1963, 51-56

TEXT: For pentaerythritol, which belongs to the crystal class 4, crystals showing the growth pyramids 100 appear to have a two-fold axis. Abstracter's note: The authors state that the crystals appear biaxial optically. This does not appear to be correct as this system must be uniaxial, but it may mean that the ellipsoid of revolution which represents the refractive indices requires two parameters to describe it and has two different axes. The optical indicatrix is described by the equation:

$$(a_0^2 + r_{12}E_y)x^2 + (b_0^2 + r_{22}E_y)y^2 + (c_0^2 + r_{32}E_y)z^2 + 2r_{52}E_yzx = 1$$

when an electric field  $E_y$  is applied along the y-axis. This y-axis is the fourfold inversion axis for the crystal as a whole.  $a_0$ ,  $b_0$  and  $c_0$  are the reciprocals of the principal Card 1/3

S/070/63/008/001/008/024 E132/E460

The electro-optical ...

are the electro-optical coefficients, 8 being non-zero for this cut. It follows that when an electric field is applied the indicatrix is deformed and rotates in the XZ plane through an angle \$2. This y-cut crystal was mounted between crossed Nicols and a beam of monochromatic light was The plate was passed through the system into a photomultiplier. adjusted to extinction and a high voltage was applied to the electrodes, the increase in transmitted light being measured. The increase resulted from the rotation of the indicatrix which could reach 22.5° if a field of 220 kV/cm were applied. material has a high melting point (257°C) and behaves as a linear dielectric with a specific resistance of  $10^{15}$  to  $10^{12}$  ohm cm over the range 30 to 130°C in the absence of surface conductivity. The crystals are not hygroscopic and have a perfect 001 cleavage which corresponds to the y-cut used if it is reckoned that the growth pyramids of the form 101- give crystals of the class 2.  $r_{52} = (4.38 \pm 0.13) \times 10^{-8} cgsu$  and  $r_{32} - r_{12} = (2.09 \pm 0.13) \times 10^{-8}$ Card 2/3